Launching MLDSP Portal
Ubuntu Instructions

1. Add the 80 and 443 rules to the dashboard.
2. Launch Ubuntu instance (20.04).
3. Log into instance (ip address may be different)
   ```
   ssh ubuntu@mldspweb.ca -o ForwardAgent=true
   ```
4. Update and install packages
   a. `sudo apt update`
   b. `sudo apt upgrade -y`
   c. `sudo apt install build-essential --upgrade -y`
   d. `sudo apt install git vim python3-dev python3-pip -y`
   e. `sudo update-alternatives --install /usr/bin/python python /usr/bin/python3 10`
5. Download and install mldsp-portal from github
   a. `git clone git@github.com:HillLab/MLDSP-web.git`
   b. `git clone git@github.com:HillLab/MLDSP.git`
   c. `cd MLDSP`
   d. `sudo pip install .`
   e. `sudo bash MLDSP-web/tools/install_node.sh`
   f. `cd ..`
   g. `mkdir MLDSP-web/data`
   h. `cd MLDSP-web/data`
   i. `ln -s ~/MLDSP/data/ default`
   j. `cd ../api`
   k. `npm i`
   l. `cd ../portal`
   m. `npm i`
6. Setup .env file
   a. `cd ~/MLDSP-web/portal`
   b. `cp sample.env .env`
   c. fill in CLIENT_ID, ISSUER_BASE_URL, AND SECRET from auth0
7. Install Certificates
   a. `sudo apt install certbot -y`
   b. `sudo certbot certonly`
   c. `add to .env file`
      i. `SSL_KEY=/etc/letsencrypt/live/mldspweb.ca/privkey.pem`
      ii. `SSL_CERT=/etc/letsencrypt/live/mldspweb.ca/cert.pem`
8. `Certificate auto-renew (see https://www.nginx.com/blog/using-free-ssltls-certificates-from-lets-encrypt-with-nginx/#auto-renewal)`
   a. `crontab -e`
   b. `0 12 * * * /usr/bin/cerbot renew --quiet`

```
see https://linuxize.com/post/how-to-use-linux-screen/
sudo apt install screen -y
screen
cd ~/MLDSP-web/portal
sudo node .
```

```
ctrl-a d
screen -r
```